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Substitute for form 1449/PTO			Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*			Application Number	10/563,084-Conf. #5853
			Filing Date	May 22, 2006
			First Named Inventor	Stefan Langenbach
			Art Unit	2611
			Examiner Name	Y. T. Tse
Sheet	1	of	2	Attorney Docket Number	64726(45710)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		3,931,584	01-06-1976	Motley et al.	
		5,263,053	11-16-1993	Wan et al.	
		5,313,495	05-17-1994	Kim	
		6,477,125 B1	11-05-2002	Hayami	
		6,775,219	08-10-2004	Fujiwara et al.	
		6,977,879 B1	12-20-2005	Hamada et al.	
		2002-0080898 A1	06-27-2002	Agazzi et al.	
		2006-0274861 A1	12-07-2006	Langenbach et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
		EP 1 139 619 A1	10-04-2001	Dittrich et al.		
		EP 1 443 697 A1	08-04-2004	Langenbach et al.		
		EP 1 453 238 A1	09-01-2004	Stojanovic et al.		
		EP 1 473 831 A1	11-03-2004	Stojanovic et al.		
		WO 02/30035 A1	04-11-2002	Boccuzzi et al.		

Examiner Signature	/Young Tse/ (02/25/2010)	Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*			Application Number	10/563,084-Conf. #5853
			Filing Date	May 22, 2006
			First Named Inventor	Stefan Langenbach
			Art Unit	N/A
			Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	64726(45710)

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		AZADET et al., "Equalization and FEC Techniques for Optical Transceivers", IEEE Journal of Solid-State Circuits, Vol. 37, No. 3, (March 2002), pp. 317-327.	
		~~BOHN et al., "An Adaptive Optical Equalizer Concept for Single Channel Distortion Compensation", Munich, Germany, 2 pages.~~	
		BUCHALI et al., "Adaptive Decision Feedback Equalizer for 10 Gbit/s Dispersion Mitigation", in Proc. ECOC 2000, Munich, Germany, 2 pages.	
		~~BÜLOW et al., "Electronic PMD Mitigation – from Linear Equalization to Maximum Likelihood Detection", Stuttgart, Germany, WAA3-1- WAA3-3.~~	
		~~BÜLOW et al., "Electronically Enhanced Optical PMD Compensation", Stuttgart, Germany, 2 pages.~~	
		CHUGG et al., "MLSE for an Unknown Channel – Part I: Optimality Considerations", IEEE Transactions on Communications, Vole. 44, No. 7 (July 1996), pp. 836-846.	
		DITTRICH et al., "Iterative Equalization for Nonlinear Channels with Intersymbol Interference", Kleinheubacher Berichte, 2001.	
		GHOSH et al., "Maximum-likelihood blind equalization", Opt. Eng. Vol. 31, 6, 1992, 1224-1228.	
		HAUNSTEIN et al., "Implementation of Near Optimum Electrical Equalization at 10 Gbit/s", Nuremberg, Germany, ECOC 2000, 2 pages.	
		HAYKIN, "Adaptive Filter Theory, An Overview of the Blind Deconvolution Problem", 4th ed., Prentice-Hall, 2001, pp. 684-735.	
		KAVCIC et al., "Correlation-Sensitive Adaptive Sequence Detection", IEEE Transactions on Magnetics, Vol. 34, No. 3 (May 1998), pp. 763-771.	
		KAVCIC et al., "The Viterbi Algorithm and Markov Noise", IEEE Transactions on Information Theory, Vol. 46, No. 1, (January 2000), pp. 291-301.	
		LIN et al., "Error Control Coding, Fundamentals and Applications", (1983) Apprentice Hall, Inc., pp. 287-315.	
		~~OTTE, et al., "Performance of Electronic Compensator for Chromatic Dispersion & SPM", Kiel, Germany, 2 pages~~	
		RAHELI et al., "Per-Survivor Processing: A general Approach to MLSE in Uncertain Environments", IEEE Trans. Commun. Vol. 43, No. 2/3/4, 1995, pp. 354-364.	
		S.U.H. Qureshi, "Adaptive Equalization", Proc. IEEE, Vol. 73, 1985, pp. 1349-1387.	
		SAUER-GREFF et al., "Adaptive Viterbi Equalizers for Nonlinear Channels", SIPCO '2000, pp. 25-29.	
		~~STIGHT et al., "Adaptation of Electronic PMD Equaliser Based on BER Estimation Derived from FEC Decoder", Nuremberg, Germany, 2 pages.~~	
		VITERBI, "Error Bounds for Convolutional Codes and an Asymptotically Optimum Decoding Algorithm" IEEE Trans. Inf. Theory, IT-13, pp. 260-269.	

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